

1 CLAIMS

2
3 What is claimed is:

- 1 1. A system for displaying health information comprising:
- 2 a) a set of inputs for generating a set of data $\{D[j]\}$,
- 3 $j = 1 \dots J$, a datum $D[j]$ characterizing a personal
- 4 health condition of a patient;
- 5 b) a processing means in communication with said set of
- 6 inputs, for generating a personalized health model of
- 7 said patient from a generalized health model of said
- 8 patient and from said set of data $\{D[j]\}$; and
- 9 c) a display means in communication with said processing
- 10 means, for generating a display comprising a body
- 11 image, said body image illustrating said personalized
- 12 health model.
- 13
- 1 2. The system of claim 1 wherein said personalized health
- 2 model comprises a set of parameters $\{P[k]\}$, $k = 1 \dots K$.
- 3
- 1 3. The system of claim 2 wherein said generalized health
- 2 model specifies a dependence of said set of parameters
- 3 $\{P[k]\}$ on said set of data $\{D[j]\}$.
- 4
- 1 4. The system of claim 2 wherein said processing means is
- 2 adapted to assign values to said set of parameters
- 3 $\{P[k]\}$ using said set of data $\{D[j]\}$.
- 4
- 1 5. The system of claim 2 wherein said set of parameters
- 2 $\{P[k]\}$ comprises a blood glucose level.
- 3
- 1 6. The system of claim 2 wherein said set of parameters
- 2 $\{P[k]\}$ comprises a condition of a part of said
- 3 patient.
- 4

1 7. The system of claim 2 wherein said set of parameters
2 {P[k]} comprises a parameter selected from the group
3 of respiratory flow, blood pressure, cholesterol
4 level, patient weight, T-cell count, and frequency of
5 health episodes.

1 8. The system of claim 1 wherein said set of inputs
2 comprises a medical record of said patient.

1 9. The system of claim 1 wherein said set of inputs
2 comprises a record of a standard of care for a general
3 health condition of said patient.

1 10. The system of claim 1 wherein said set of inputs
2 comprises a record of a prescribed treatment of said
3 patient.

1 11. The system of claim 1 wherein said set of inputs
2 comprises a record of a display preference.

1 12. The system of claim 1 wherein said set of inputs
2 comprises a record of a personal profile of said patient.

1 13. The system of claim 1 wherein said set of inputs
2 comprises a patient identification means in communication
3 with said display means, for specifying an identity of
4 said patient.

1 14. The system of claim 13 wherein said patient
2 identification means is adapted to specify a
3 prescribed treatment of said patient.

1 15. The system of claim 13 wherein said patient
2 identification means comprises a card.

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- 1 16. The system of claim 13 wherein said patient
2 identification means is in communication with said
3 display means and is adapted to specify an address of
4 said processing means, for allowing a communication
5 between said display means and said processing means.
6
- 1 17. The system of claim 1 wherein said set of inputs
2 comprises a patient feedback means in communication with
3 said processing means, for generating a subset of
4 feedback data.
5
- 1 18. The system of claim 1 wherein said display means
2 comprises a television set.
3
- 1 19. The system of claim 1 wherein said display means
2 comprises a multimedia processor for connecting said
3 television set to said processing means.
4
- 1 20. The system of claim 1 wherein said data set $\{D[j]\}$
2 comprises a subset of simulation data characterizing a
3 simulated personal health condition of said patient.
4
- 1 21. The system of claim 1 wherein said display comprises a
2 section assigned to a parameter $P[k]$.
3
- 1 22. The system of claim 1 wherein said body image comprises a
2 section assigned to a parameter $P[k]$.
3
- 1 23. The system of claim 1 wherein a set of characteristics of
2 said body image match a set of predetermined physical
3 characteristics.
4

- 1 24. The system of claim 23 wherein said set of physical
2 characteristics comprises a characteristic selected
3 from an age, a height, a gender, a weight, a skin
4 color, and a hair color.
- 1 25. The system of claim 23 wherein said body image
2 comprises a reproduction of an image of said patient.
- 1 26. The system of claim 1 wherein said body image comprises
2 an image of a fictional character.
- 1 27. The system of claim 1 wherein said processing means is in
2 communication with said display means over a remote
3 network.
- 1 28. The system of claim 1 wherein said processing means is in
2 communication with said set of inputs over a remote
3 network.
- 1 29. The system of claim 1 further comprising a data
2 aggregation means in communication with said set of
3 inputs and with said processing means, for collecting a
4 subset of said set of data $\{D[j]\}$ from said set of
5 inputs.
- 1 30. The system of claim 29 wherein said data aggregation
2 means is in communication with said display means over
3 a remote network.
- 1 31. A method of providing personalized health information to a
2 patient, said method comprising the steps of:
3 a) generating a set of data $\{D[j]\}$, $j = 1 \dots J$, from a set
4 of inputs, a datum $D[j]$ characterizing a personal
5 health condition of a patient;

- b) generating a personalized health model of said patient from a generalized health model of said patient and from said set of data $\{D[j]\}$; and
- c) generating a display comprising a body image, said body image illustrating said personalized health model.